

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of the claims in the application:

Listing of Claims:

1. (Currently amended) A modular kit for a tower of a wind energy turbine, comprising:
  - a first conical tower segment comprising a steel tube having a predetermined length,
  - a second conical tower segment comprising a steel tube having a predetermined length, wherein the first conical tower segment is to be coupled to the second conical tower segment in an assembled condition, the diameter of the first conical tower segment at a lower end being equal to the diameter of the second conical tower segment at an upper end, and
  - a first variable-length cylindrical tower segment comprising a steel tube having a length that can be varied between a predetermined minimum length and a predetermined maximum length, wherein the second conical tower segment is to be coupled to the first variable-length cylindrical tower segment in the assembled condition, andwherein the length of the first variable-length cylindrical tower segment can be adapted to the necessary height of the tower between its minimum height and its maximum height, the minimum height being the sum of the predetermined lengths of the first and second conical tower segments and the minimum length of the first variable-length cylindrical tower segment, and the maximum height being the sum of the predetermined lengths of the first and second conical tower segments and the maximum length of the first variable-length cylindrical tower segment.
2. (Previously presented) The modular kit according to claim 1, wherein the first variable-length cylindrical tower segment comprises a door opening.

3. (Previously presented) The modular kit according to claim 1, further comprising a second cylindrical tower segment comprising a steel tube having a door opening and a length, wherein the minimum height of the tower is the sum of the predetermined lengths of the first and second conical tower segments, the minimum length of the first variable-length cylindrical tower segment and the length of the second cylindrical tower segment and wherein the maximum height of the tower is the sum of the predetermined lengths of the first and second conical tower segments, the maximum length of the first variable-length cylindrical tower segment and the length of the second cylindrical tower segment.

4. (Previously presented) The modular kit according to claim 3, wherein the length of the second cylindrical tower segment is selectable between a predetermined minimum length and a predetermined maximum length, wherein the minimum height of the tower is the sum of the predetermined lengths of the first and second conical tower segments and the minimum lengths of the first variable-length cylindrical tower segment and the second cylindrical tower segment and wherein the maximum height of the tower is the sum of the predetermined lengths of the first and second conical tower segments and the maximum lengths of the first variable-length cylindrical tower segment and second cylindrical tower segment.

5. (Previously presented) The modular kit according to claim 1 comprising a further tower segment that is formed of a prestressed-concrete tube comprising a door opening and having a length, and a connecting element for connecting the first variable-length cylindrical tower segment with the further tower segment and having a length, wherein the minimum height of the tower is the sum of the predetermined lengths of the first and second conical tower segments, the minimum length of the first variable-length cylindrical tower segment and the lengths of the further tower segment and the connecting element and wherein the maximum height of the tower is the sum of the predetermined lengths of the first and second conical tower segments, the maximum length of the first

variable-length cylindrical tower segment and the lengths of the further tower segment and the connecting element.

6. (Previously presented) The modular kit according to claim 5, wherein the length of the further tower segment is selectable between a predetermined minimum length and a predetermined maximum length, wherein the minimum height of the tower is the sum of the predetermined lengths of the first and second conical tower segments, the minimum length of the first variable-length cylindrical tower segment, the minimum length of the further tower segment, and the length of the connecting element, and wherein the maximum height of the tower is the sum of the predetermined lengths of the first and second conical tower segments, the maximum length of the first variable-length cylindrical tower segment, the maximum length of the further tower segment, and the length of the connecting element.

7. (Previously presented) The modular kit according to claim 6, wherein the further tower segment is of a conical configuration.

8. (Previously presented) The modular kit according to claim 7, wherein the first and second conical tower segments each have a wall thickness decreasing towards their upper ends in an installed condition of the tower.

9. (Previously presented) The modular kit according to claim 8, wherein the first variable-length cylindrical tower segment and the second cylindrical tower segment each comprise an essential constant wall thickness over their length.

10. (Previously presented) The modular kit according to claim 5, wherein the further tower segment is of a conical configuration.

11. (Previously presented) The modular kit according to claim 1, wherein the first and second conical tower segments each have a wall thickness decreasing towards their upper ends in an installed condition of the tower.

12. (Previously presented) The modular kit according to claim 1, wherein the first variable-length cylindrical tower segment comprises an essential constant wall thickness over its length.

13. (Previously presented) A modular kit for a tower of a wind energy turbine, comprising:

- a first conical tower segment comprising a steel tube having a predetermined length;

- a second conical tower segment comprising a steel tube having a predetermined length, wherein the first conical tower segment is to be coupled to the second conical tower segment in an assembled condition, the diameter of the first conical tower segment at a lower end being equal to the diameter of the second conical tower segment at an upper end;

- a first variable-length cylindrical tower segment comprising a steel tube having a length that can be varied between a predetermined minimum length and a predetermined maximum length, wherein the second conical tower segment is to be coupled to the first variable-length cylindrical tower segment in the assembled condition, the diameter of the second conical tower segment at a lower end being equal to the diameter of the first variable-length cylindrical tower segment; and

- a further tower segment comprising prestressed-concrete having a door opening, wherein the first variable-length cylindrical tower segment is to be coupled to the further tower segment in the assembled condition, the diameter of the first variable-length cylindrical tower segment being equal to the diameter of the further tower segment at an upper end,

wherein the minimum height of the tower is the sum of the predetermined lengths of the first and second conical tower segments, the minimum length of the first variable-length cylindrical tower segment and the length of the further tower segment, and

wherein the maximum height of the tower is the sum of the predetermined lengths of the first and second conical tower segments, the maximum length of the first variable-length cylindrical tower segment and the length of the further tower segment, the maximum height exceeding approximately eighty meters.

14. (Previously presented) The modular kit of claim 13, wherein the further tower segment comprises a steel tube, and wherein the maximum height is approximately eighty-five meters.

15. (Previously presented) The modular kit of claim 13, wherein the further tower segment is formed of a prestressed-concrete tube having a door opening, and wherein the maximum height is approximately one hundred meters.

16. (Previously presented) The modular kit of claim 15, wherein the further tower segment comprises a connecting element for connecting the first variable-length cylindrical tower segment with the further tower segment.